



PATENT  
PD-99W059

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Lee et al.

Serial No. 09/771,300

Filed: 01/23/2001

For: CONFORMAL END-FIRE  
ARRAYS ON HIGH IMPEDANCE  
GROUND PLANE

Art Unit: ~~2821~~ 3662

Examiner: Chen, S.C.  
Blum, T.

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APR 26 2002

LICENSING & REVIEW

RESPONSE TO OFFICE ACTION

Assistant Commissioner for Patents  
Washington, D.C. 20231

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APR 02 2002

GROUP 3600

Dear Sir:

In response to the Office Action mailed December 19, 2001, kindly amend the application as follows:

IN THE SPECIFICATION

Replace the paragraph at page 1, at indicated lines 8-24, with the following:

For certain applications, a flush-mounted end-fire antenna is required for an airborne or shipboard platform. For example, to combat low flying cruise missiles, a cylindrical UHF electronically scanned array is one of the most effective ways to detect, track, and classify these small targets with enough range to deploy necessary defenses. U.S. Patent 5,874,915, the entire contents of which are incorporated herein by this reference, describes a robust antenna, which in an exemplary form is conformal to an E-2C radome with an oval cross section. In this exemplary form, the antenna is a non-rotating cylindrical wide band array controlled by a commutation switch matrix to provide 360 degree scan coverage, and includes two decks of radial columns of end-fire elements,

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Cont.

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